Panasonic

Split System Submittal Data

System: **KS18NB4UA** Indoor: **CS-KS18NB4UW** Outdoor: **CU-KS18NKUA**

Ceiling Recessed Heat Pump

Job Name: _____

Location: _____

Engineer: _____

Submitted to: _____

Submitted by: _____

Reference: _____

Approval: _____

Date: _____

Construction: _____

Unit#: _____

Drawing#: _____

General Data	
Power (V/P/Hz)	**230/208/1/60**
Circuit Ampacity (A)	15
Fuse Size, Max.(A)	15
Compressor	**DC Twin Rotary (Inverter)**
No. Used	1
R.L. Amps - L.R. (A)	8.3 (1.2 to 8.3)-(17.5)
Outdoor Unit	
Fan Type	Propeller
Dia (in.) - No. Speeds	16-17/32"-Auto (Hi and multi steps)
Type Drive	DC Motor
No. Poles (RPM)	8-820
No. Motors (W)	1-50
F.L. Amps (A)	0.5
Coil Type	**Aluminum Fin and Copper Pipe**
Fin Type - Pipe Type	Corrugated Plate - Inner Rifled
Rows - F.P.I.	2-21.2
Face Area (sq.ft.)	5.49
Tube Size (in.)	9/32"
Indoor Unit	
Fan Type	Turbo
Diameter and Depth	12-5/8" x 5-3/4"
No. Speeds	Auto and 3 steps
No. Poles (RPM, High)	8-650
No. Motors (W)	1-20
CFM (Hi/Med/Low)	341 / 294 / 253
Operation Sound (Hi/Med/Low) (dB-A)	44 / 40 / 36
F.L. Amps	0.3
Coil Type	**Aluminum Plate Fin & Copper Tube**
Fin Type - Pipe Type	Slit Plate - Inner Rifled
Rows - F.P.I.	2-18.1
Face Area (sq. ft.)	2.94
Tube Size (in.)	9-32"
Drain tube connection, VP20(in.)	(outer dia.1")
Refrigerant	**R410A**
Lbs. - R410a (outdoor unit)	2.87

Refrigerant Control	Electronic Expansion Valve
Refrigerant Tubing Connections	Flare
Line Length, Max (ft.)	100'
Line Heigth Difference, Max (ft.)	50'
Line Size (in. O.D. Discharge)	1/4"
Line Size (in. O.D. Suction)	1/2"
Pre-charge, tubing length at shipment	25'
Dimensions (HxWxD)	
Indoor Unit (Crated) (in.)	11-13/32" x 24-13/16" x 28-1/8"
Indoor Unit (Uncrated) (in.)	11-5/32" x 22-5/8" x 22-5/8"
Outdoor Unit (Crated) (in.)	29-1/8" x 39-27/32" x 14-31/32"
Outdoor Unit (Uncrated) (in.)	26-3/8" x 34-21/32" x 11-7/32"
Weight (lbs.)	
(Indoor) Net	35.3
(Indoor) Shipping	41.9
(Outdoor) Net	90.4
(Outdoor) Shipping	99.2
(Indoor) Shipping Volume (cu.ft.)	4.59
(Outdoor) Shipping Volume (cu.ft.)	9.88

Performance Data @ ARI Standard Conditions (230/208V)	
Cooling	
Total Capacity (BTU/H)	17,500 (4,000-17,500)
Sensible Capacity (BTU/H)	10,600
Latent Capacity (BTU/H)	6,900
SEER	16
Dehumidification (Pints/H)	4.89
Amps (A)	8.3 (1.2-8.3)
Power Inputs (W)	1860 (250-1860)
Outdoor Sound Rating (dB-A)	51

Features	
Controls	Microprocessor
Remote Controller	LCD Wireless Type, Temp. Sensor Built In
Temperature Control	IC Thermistor
Timer	24 Hour, Single Event, ON/OFF Timer
Night Setback	Included
Panel, No.of Louvers, Control	(CZ-18BT1U)-4-Automatic/ Sweep/Step
Power Failure Automatic Restart	Included
Self-Diagnosis	Included
Air Filter	Washable, Anti-Mold
Quiet Operation	Included
Condensate Drain Pump	Included
High Power	Included
One Hour Off Timer	Included

Options	
Refrigerant Line Set	Available
Fresh Air Intake	Knock-Out (Dia. 3-7/8")
Air Duct Extension	N/A
Hard Wired Remote Control	Available / Model Number-CZ-RD515U
Non-Removable, Locking Remote-Control Bracket	RCS4MHVB

Operating Range	Indoor Air Intake Temp	Outdoor Air Intake Temp
Cooling (Max)	95F DB/71F WB	115F DB
Cooling (Min)	67F DB/57F WB	0F DB
Low Ambient Control Included		

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Air Conditioning Division
1690 Roberts Blvd., NW, Suite 110
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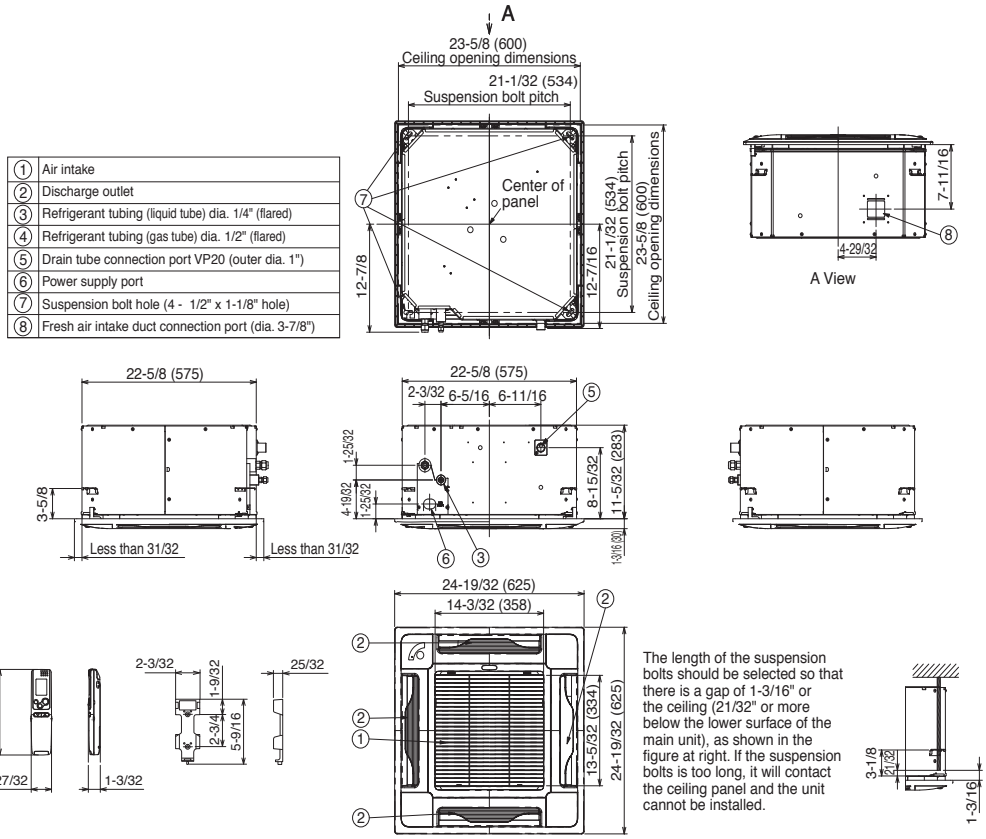
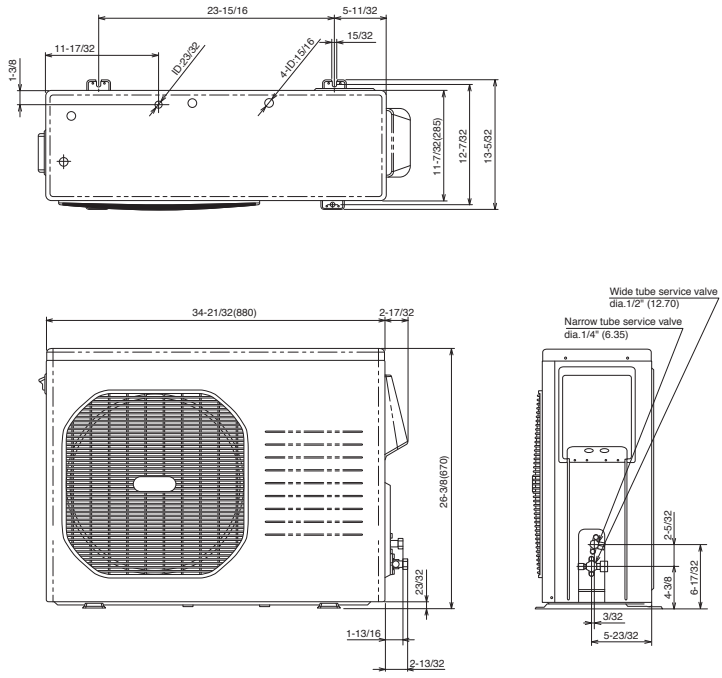
Indoor Dimensions

①	Air intake
②	Discharge outlet
③	Refrigerant tubing (liquid tube) dia. 1/4" (flared)
④	Refrigerant tubing (gas tube) dia. 1/2" (flared)
⑤	Drain tube connection port VP20 (outer dia. 1")
⑥	Power supply port
⑦	Suspension bolt hole (4 - 1/2" x 1-1/8" hole)
⑧	Fresh air intake duct connection port (dia. 3-7/8")



The length of the suspension bolts should be selected so that there is a gap of 1-3/16" or the ceiling (21/32" or more below the lower surface of the main unit), as shown in the figure at right. If the suspension bolts is too long, it will contact the ceiling panel and the unit cannot be installed.

Outdoor Dimensions



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